

# Resistance Meter

## Hioki RM3548

Hioki RM3548 Resistance Meter comes equipped with a number of advanced features that make it stand out from other resistance meters in the market. One such feature is the dual-channel measurement capability. This allows for simultaneous measurement of two different resistance values, saving time and increasing efficiency.

**Applications:** *Testing electronic components, Circuit fault finding, Material testing, etc.*

*Hioki RM3548 Resistance Meter is user-friendly and intuitive, with a large, easy-to-read LCD display that shows measurement values and status information. This Hioki Resistance Meter is also compact and lightweight, making it easy to carry around and use in a variety of settings. This Digital Resistance Meter device features a high-speed measurement capability, which allows for quick and accurate measurements in just a few seconds.*

### Feature

- *Portable resistance tester that's ideal for low-resistance measurement and testing of large transformers and motors*
- *Reduce the effects of thermoelectromotive force with the offset voltage correction*
- *Correct resistance values, which vary with temperature, to a reference temperature with the temperature correction function*



Manufacturer	Hioki
Model No	RM3548
Resistance	3 mΩ (3.5000 mΩ display Max., 0.1 μΩ resolution) to 3 MΩ range (3.5000 MΩ display Max., 100 Ω resolution), 10 steps
Accuracy	±0.020 %
Testing current	[at 3 mΩ range] 1 A DC to [at 3 MΩ range] 500 nA DC
Open-terminal voltage	5.5 V DC max.
Temperature Range	-10.0 to 99.9°C
Accuracy	±0.50°C
Display refresh rate	Without OVC: approx. 100ms, With OVC: approx. 230ms
Memory Capacity	Number of recordable data points: (manual/auto) Up to 1,000, (interval) Up to 6,000; Interval: 0.2 to 10.0s (0.2s steps); Acquisition of data from memory: display, USB mass storage (CSV, TXT files)
Power Supply	LR6 (AA) Alkaline batteries ×8, Continuous use: 10 hours (Under our company's conditions), Rated power consumption: 5 VA max.
Supply Scope	Clip type lead L2107 ×1, Temperature sensor Z2002 ×1, LR6 Alkaline battery ×8, Instruction manual ×1, USB Cable(A-to-mini B type) ×1, Strap ×1, Spare fuse ×1
Dimensions	192 mm (7.56 in) W × 121 mm (4.76 in) H × 55 mm (2.17 in) D
Weight	770g

Temp | Humidity | Pressure | Differential Pressure | Vacuum | Gases | Particle | Air Flow  
Moisture | Dissolved Oxygen | Radiation | Air Quality | Light / Lux | Distance | Vibration

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